

1. The APG Science and Technology board convened at 2:00 P.M. on September 8, 2003.

2. Attendees at the meeting were:

Mr. Brian Simmons	U.S. Army Developmental Test Command (USADTC)
Ms. Sue Sanderson	U.S. Army Aberdeen Test Center (ATC)
Dr. Robin Keesee	U.S. Army Research Laboratory (ARL)
Ms. Cecelia Stepp	Harford County Council
Dr. Steve Fritz	Technology Development Corporation (TEDCO)
Mr. Ronald Kaese	TEDCO
Mr. Eric Hangeland	U.S. Army Environmental Center (AEC)
Ms. Susan Luckan	U.S. Army Edgewood Chemical Biological Center (ECBC)
Dr. Bill Busch	University of Maryland
Ms. Denise Carnaggio	Office of Economic Development (OED)
Ms. Laura Haug	DTC
Dr. Dave Mortin	U.S. Army Materiel Systems Analysis Activity (USAMSAA)
Mr. Roy Albert	TRsG
Mr. Jack Martin	TRI-S
Mr. Stephen Clark	USADTC

3. Mr. Simmons opened the meeting by briefing the highlights from the June 02 S&T Board meeting. Prime concerns expressed at that meeting were that the S&T Board must define how to shape the contract for the BDO to meet customer and APG tenant expectations. Funding the BDO is a challenge. The Board stated that it should keep going with S&T Board efforts. Joint partnerships and events must be worked as a key issue. The S&T Board becomes the working level for those events. There is a need to ask the customer what he wants from APG. The Board must define what makes APG unique. The Board needs to begin planning future showcases. Not sure what FY05 shapes up to be. Need to support the May Automotive/Robotics showcase. Call letter for BDO funding for FY 04 will be sent to tenant organizations shortly. Mr. Simmons volunteered to take

a personal approach to the APG commanders and directors. It takes the Board as a whole to get the message out. Mr. Simmons will send minutes out under his signature.

4. Ms. Carnaggio briefed the Marketing and Publicity subgroup and NMTC report. The NMTC Workshop, *Regional Business and Financial Resources for Technology Companies*, is being brought to HEAT Center on Oct 1. 40-50 participants are expected to attend. Mr. Clark will provide a briefing on the APG S&T Board. This workshop was a direct response from NMTC based upon APG S&T Board input on working on opportunities. Three technology companies brought to Harford County. Mr. Simmons asked if these three companies were aware of APG and its capabilities. Harford County OED makes certain that all are aware. Ms. Carnaggio is not certain if Cecil County OED is aware.

5. Dr. Fritz briefed the TEDCO/Congressional initiative for BDO funding. The Bill is currently in conference committee (Senate budget). Dr. Fritz suggested that all call Ruppertsberger and Mulkulski office to voice support for the bill. TEDCO's role is to enhance commercial technology. TEDCO has funded 8 projects with the Navy. APG needs to know what the customers needs are. Companies can license Army technology and find ways to insert their technology into the Army pipeline. Execution includes outreach, showcases, and funding mechanism to be given to companies in the form of grants. Idea is for companies to partner with APG, using CRADAs and other mechanisms. The big question remains on how to bridge between APG and companies. APG needs to identify specific technologies for companies; it cannot be generic. Need to find out what APG technologies are needed. Venture Capital funds looking for avenues to invest in. The investment climate is improving since last year. The Army award is a seed fund to get the program started. TEDCO has a secret level security clearance and is working on TS/SCI level security clearance. Dr. Fritz described the financing breakout. Money can be used for promotion of technology events. Not politically based decision on who gets money. TEDCO receives feedback from companies. Mr. Simmons suggested S&T Board review of proposals. Mr. Fritz agreed. Army will evaluate the outcome of the funding grants; portion of the money goes to APG activities to evaluate and develop benchmarks. This funding could reach \$10K per company. Mr. Simmons stated that this incentive to evaluate is a valuable funding mechanism to solicit APG participation. Mr. Kaese explained the structure of the Showcases. Must keep presentations 5-10 minutes in length - keep it short to keep audience interest. Presentations serve as an info-mercial.

People want to see how technology fits into the company scheme. Networking provides the mechanism for expanded discussions. Dr. Fritz keeps track of registrations. Feedback sheet provides information on how the showcase was discovered. TEDCO looks to APG for information on transactions. Provide one success story at each showcase. Tours, virtual and physical, are provided at a later date. Mr. Simmons suggested that all APG activities that deal with nanotechnologies offer their technologies to ARL-Adelphi. Mr. Simmons suggested that ARL showcase include APG's technologies. Dr. Keesee agreed. The APG S&T Board will send a tasker out to tenants seeking participation in event and inventory activities. ARL Adelphi to host event, however call it an APG S&T Board/TEDCO showcase.

6. Dr. Busch briefed the University of Maryland (U of Md.) Long Distance Education program. U of Md. previously used Microwave, but now pursuing Full Duplex links. Using wideband technology. Reducing number of sites from 18 to 5 sites. New system will be up and running springtime 04. This system allows students to access the school remotely. Masters program in Engineering is initially being offered. Good for people to tone up their skills. No thesis - two additional courses fill out requirements. Challenge for U of Md. is to determine student needs. Live instructors would be provided upon request either on a permanent or part time base. Short courses being offered for CEUs. Information Security and Nanotechnology are prime options for courses. Current there are 12 students registered using microwave system at the HEAT Center. The U of Md. Smith School of Business interested in teaming up. Mechanical Engineering is also interested. An Energetics program at the Masters level has been proposed. Reliability Engineering, Energy Sources, Fire Protection are additional options. An undergraduate program is difficult to do at this time, however courses for credit could be offered. This will allow students to get a head start for undergraduate engineering degrees. Could turn to full program in the future if successful. Dr. Busch interested in making contacts with staff, tenant activities on APG. Mr. Simmons will task Higher Education subgroup to get the word out on program. Dr. Busch stated that if firewalls allowed, U of Md. could pipe courses on post.

7. Mr. Albert briefed the BDO report. The BDO visited the ARL-Adelphi facilities for a full day to determine what capabilities could be marketed. CHPPM was supported with their Health Promotion conference. The BDO also provided support for the DTC Industry Day. Mr. Albert will

brief at the mid-Atlantic FLC conference on Sept 11. Finally, the BDO is pursuing Patent/Licensing work with DTC.

8. Mr. Clark solicited money for the BDO operation with a caution that the BDO's focus may have to shift from support for the installation as a whole to a focus for paying customer's only. Further, this support will focus on garnering revenue for those paying activities. Work with the OED, NMTC, and other countywide ventures may have to be curtailed, or discontinued entirely.

9. The meeting concluded at 4:00. The next APG S&T Board meeting will be held on December 1, 2003.

/s/ BRIAN M. SIMMONS  
APG S&T Board Chairman